

### 1. Features

- Typical 1dB bandwidth of 25.8 MHz
- High attenuation
- Single Ended Operation
- Surface Mounted Package (SMD)

**RoHS Compliant**

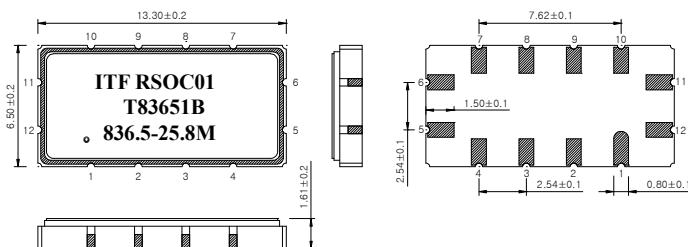
Tested by SGS Testing Korea

### 2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25°C		Minimum	Typical	Maximum
Center Frequency (fo)	MHz	-	836.5	-
Insertion Loss	dB	-	26.5	29.0
1dB Bandwidth	MHz	25.4	25.8	-
3dB Bandwidth	MHz	-	26.65	-
35dB Bandwidth	MHz	-	29.55	29.9
Amplitude Ripple (fo ± 12.5 MHz)	dB	-	0.7	1.5
Group Delay Variation (fo ± 12.5 MHz)	nsec	-	55	120
Absolute Delay	usec	-	1.08	-
Out of band gain	Edge ± 2.0 MHz	dB	23	-
<b>Temperature Coefficient of Frequency</b>		<b>ppm/°C<sup>2</sup></b>	<b>-0.03</b>	

**S1365 Package Dimension**



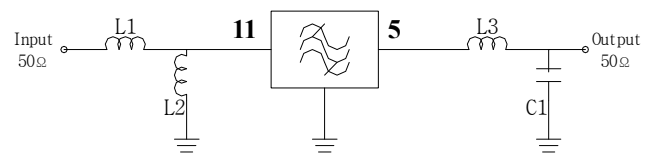
Dimensions shown are nominal in millimeters

Body : Al<sub>2</sub>O<sub>3</sub>

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

**Matching Network Configuration**



**L1 = 10nH, L2 = 5.6nH, L3 = 5.6nH, C1 = 8pF**

**Pin Configuration**

Pin Configuration			
<b>Input</b>	<b>11</b>	<b>Ground</b>	<b>6, 12</b>
<b>Output</b>	<b>5</b>	<b>Others</b>	<b>Ground</b>

### 3. Typical Performance ( at +25°C )

